



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C12N 15/12, C12Q 1/68, A61K 38/17, C07K 14/47, G01N 33/68, C07K 16/18, A61P 1/00	A3	(11) International Publication Number: WO 00/28033 (43) International Publication Date: 18 May 2000 (18.05.00)
(21) International Application Number: PCT/US99/26788 (22) International Filing Date: 10 November 1999 (10.11.99) (30) Priority Data: 60/107,821 10 November 1998 (10.11.98) US (71) Applicant (for all designated States except US): DIGITAL GENE TECHNOLOGIES, INC. [US/US]; Suite 110, 11149 North Torrey Pines Road, La Jolla, CA 92037 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): BAUM, Peter, Robert [US/US]; 6027 34th Avenue NE, Seattle, WA 98115 (US). DUBOSE, Robert, Finley [US/US]; 2981 142nd Place NE, Bellevue, WA 98007 (US). SIMS, John, E. [US/US]; 4207 43rd Avenue NE, Seattle, WA 98105 (US). YOUAKIM, Adel [CA/US]; 7304 175th Street SW, Edmonds, WA 98026 (US). HASEL, Karl, W. [US/US]; 247 South Nardo Avenue, Solana Beach, CA 92075 (US). HILBUSH, Brian, S. [US/US]; 13058 Caminito Angelico, San Diego, CA 92130 (US).	(74) Agent: ZIMMERMAN, Roger, P.; McDonnell Boehnen Hul- bert & Berghoff, 32nd floor, 300 South Wacker Drive, Chicago, IL 60606 (US). (81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 9 November 2000 (09.11.00)	
(54) Title: NUCLEIC ACIDS AND POLYPEPTIDES HAVING ALTERED EXPRESSION IN THE T84 GUT BARRIER MODEL (57) Abstract The invention is directed to purified and isolated polypeptides, the nucleic acids encoding such polypeptides that have altered expression characteristics in the T84 gut barrier model, processes for production of recombinant forms of such polypeptides, antibodies generated against these polypeptides, fragmented peptides derived from these polypeptides, and the uses to study inflammatory bowel diseases (IBD).		

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